Attorney Docket No. 99-463A

ABSTRACT

A router (105) includes multiple network interfaces (230-245) and a processor (220). Each of the network interfaces (230-245) receives port connection information associated with switches in a network (100). The processor (220) updates information pertaining to

5 locations and paths to switches in the network (100) based on the received portion connection information. The processor further updates, based on the received port connection information, entries in a virtual circuit table such that the router provides virtual circuit paths to all switches in the network (100) within a radius of connection from the router (105).